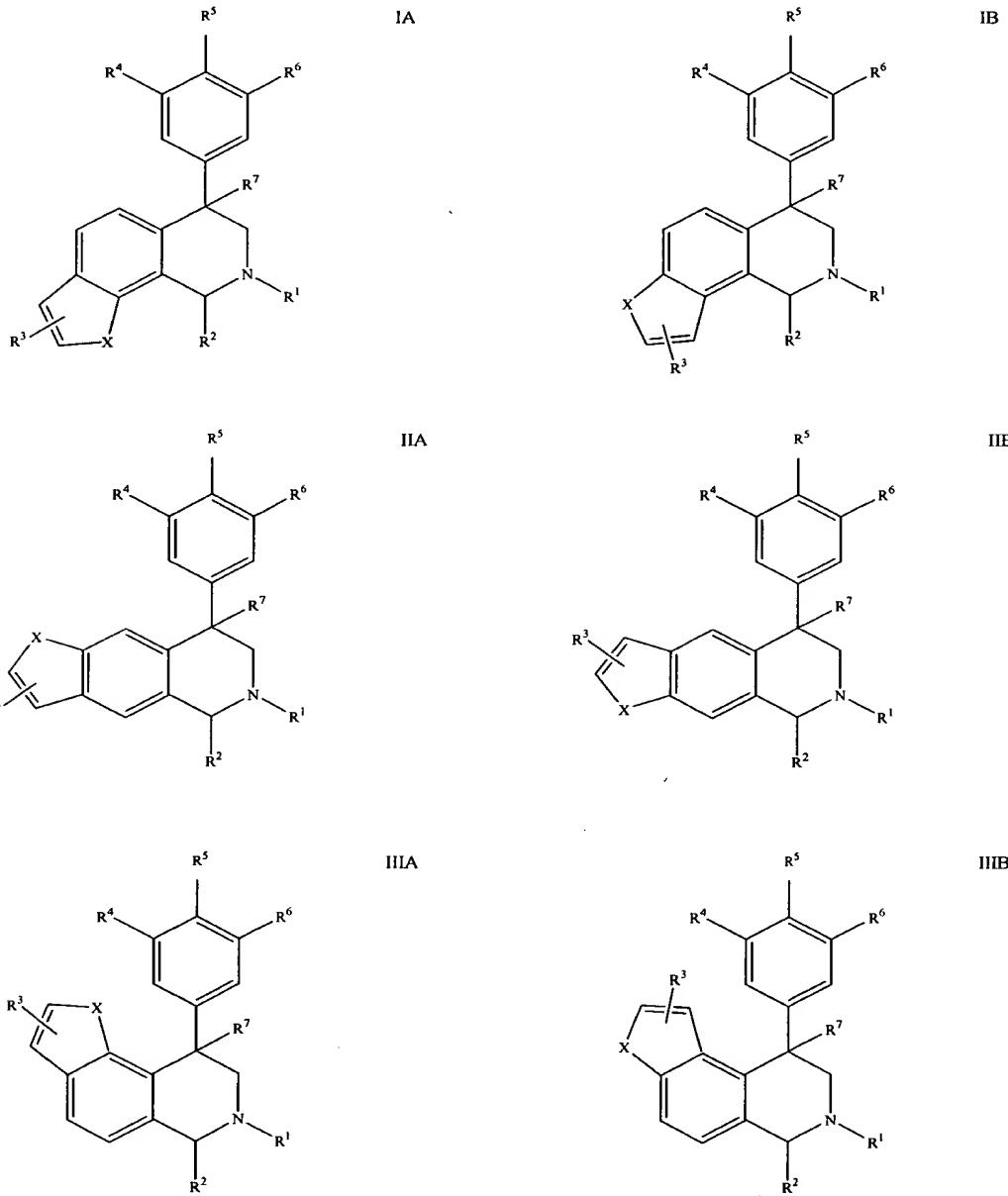


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A compound of the Formula IA, IB, IIA, IIB, IIIA or IIIB:



wherein:

R^1 is selected from the group consisting of C_1 - C_6 alkyl, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl, C_3 - C_6 cycloalkyl, C_4 - C_7 cycloalkylalkyl and benzyl, each of which is optionally substituted with 1 to 3 substituents independently selected at each occurrence from C_1 - C_3 alkyl, halogen, $-CN$, $-OR^8$ and $-NR^8R^9$;

R^2 is selected from the group consisting of H, C_1 - C_6 alkyl, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl, C_3 - C_6 cycloalkyl, C_4 - C_7 cycloalkylalkyl and C_1 - C_6 haloalkyl;

R^3 is selected from the group consisting of H, halogen, C_1 - C_6 alkyl, C_1 - C_6 haloalkyl and C_3 - C_6 cycloalkyl, wherein C_1 - C_6 alkyl, C_1 - C_6 haloalkyl and C_3 - C_6 cycloalkyl are optionally substituted with 1 to 3 substituents selected independently at each occurrence from OR^8 and NR^8R^9 ;

R^4 , R^5 and R^6 are each independently selected at each occurrence thereof from the group consisting of H, halogen, $-OR^{10}$, $-NO_2$, $NR^{10}R^{11}$, $-NR^{10}C(O)R^{11}$, $-NR^{10}C(O)NR^{11}R^{12}$, $-S(O)_nR^{11}$, $-CN$, $-C(O)R^{11}$, $-C(O)_2R^{11}$, $-C(O)NR^{11}R^{12}$, C_1 - C_6 alkyl, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl, C_3 - C_6 cycloalkyl and C_4 - C_7 cycloalkylalkyl, wherein each of C_1 - C_6 alkyl, C_2 - C_6 alkenyl, C_2 - C_6 alkynyl, C_3 - C_6 cycloalkyl and C_4 - C_7 cycloalkylalkyl are optionally substituted with 1 to 3 substituents independently selected at each occurrence from C_1 - C_3 alkyl, halogen, $=O$, $-CN$, $-OR^8$, $-NR^8R^9$ and phenyl, and wherein phenyl is optionally substituted with 1-3 substituents selected independently at each occurrence from halogen, $-CN$, C_1 - C_4 alkyl, C_1 - C_4 haloalkyl, $-OR^8$ and $-NR^8R^9$; alternatively R^5 and R^6 are $-O-C(R^{11})_2-O-$;

R^7 is selected from the group consisting of H, halogen and OR^{10} ;

R^8 and R^9 are each independently selected from the group consisting of H, C_1 - C_4 alkyl, C_1 - C_4 haloalkyl, C_1 - C_4 alkoxyalkyl, C_1 - C_4 alkoxyalkylalkyl, C_3 - C_6 cycloalkyl, C_4 - C_7 ~~cycloalkylalkyl~~ cycloalkylalkyl, $-C(O)R^{12}$, phenyl and benzyl, wherein phenyl and benzyl are optionally substituted with 1 to 3 substituents selected independently at each occurrence from halogen, cyano, C_1 - C_4 alkyl, C_1 - C_4 haloalkyl, C_1 - C_4 alkoxy and C_1 - C_4 haloalkoxy;

R^{10} is selected from the group consisting of H, C_1 - C_4 alkyl, C_1 - C_4 haloalkyl, C_1 - C_4 alkoxyalkyl, C_3 - C_6 cycloalkyl, C_4 - C_7 cycloalkylalkyl, $-C(O)R^{12}$, phenyl and benzyl, wherein phenyl and benzyl are optionally substituted with 1 to 3 substituents selected independently at each occurrence from halogen, $-NH_2$, $-OH$, cyano, C_1 - C_4 alkyl, C_1 - C_4 haloalkyl, C_1 - C_4 alkoxy and C_1 - C_4 haloalkoxy;

R^{11} is selected from the group consisting of H, C_1 - C_4 alkyl, C_1 - C_4 haloalkyl, C_1 - C_4 alkoxyalkyl, C_3 - C_6 cycloalkyl, C_4 - C_7 cycloalkylalkyl, phenyl and benzyl, where phenyl and benzyl are optionally substituted with 1 to 3 substituents selected independently at each

occurrence from halogen, -NH₂, -OH, cyano, C₁-C₄ alkyl, C₁-C₄ haloalkyl, C₁-C₄ alkoxy and C₁-C₄ haloalkoxy;

R¹² is selected from the group consisting of C₁-C₄ alkyl, C₁-C₄ haloalkyl and phenyl;

X is selected from the group consisting of O, NR¹³ and S, with the proviso that X is not NR¹³ when a compound is of Formula (IA);

n is 0, 1, or 2; and,

R¹³ is selected from the group consisting of H, C₁-C₆ alkyl, benzyl and phenyl, wherein C₁-C₆ alkyl, benzyl and phenyl are optionally substituted with 1-3 substituents selected independently at each occurrence from halogen, -NH₂, -OH, cyano, C₁-C₄ alkyl, C₁-C₄ haloalkyl, C₁-C₄ alkoxy and C₁-C₄ haloalkoxy.

2. (original) The compound of claim 1, wherein R¹ is C₁-C₆ alkyl.
3. (original) The compound of claim 2, wherein R¹ is CH₃.
4. (original) The compound of claim 1, wherein R² is H, C₁-C₆ alkyl, C₃-C₆ cycloalkyl, or C₁-C₆ haloalkyl.
5. (original) The compound of claim 4, wherein R² is H or C₁-C₆ alkyl.
6. (original) The compound of claim 5, wherein R² is H.
7. (original) The compound of claim 1, wherein R³ is at each occurrence thereof independently H, halogen, C₁-C₆ alkyl, or C₁-C₆ alkyl substituted with from 1 to 3 of OR⁸ or NR⁸R⁹.
8. (original) The compound of claim 7, wherein R³ is H or C₁-C₆ alkyl.
9. (original) The compound of claim 8, wherein R³ is H.
10. (original) The compound of claim 1, wherein R¹ is CH₃, R² is H and R³ is H.

11. (original) The compound of claim 1, wherein R⁴, R⁵ and R⁶ are each independently H, halogen, C₁-C₆ alkyl or -OR¹⁰.

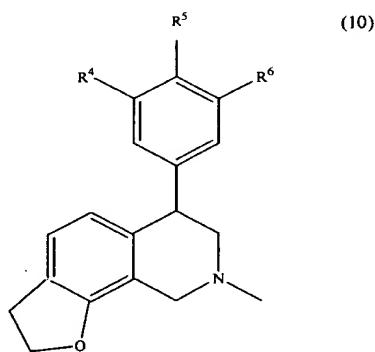
12. (original) The compound of claim 11, wherein at least one of R⁴, R⁵ and R⁶ is H.

13. (original) The compound of claim 12, wherein each of R⁴, R⁵ and R⁶ are H.

14. (original) The compound of claim 12, wherein one of R⁴, R⁵ and R⁶ is halogen.

15. (original) The compound of claim 1, wherein R¹ is CH₃, R² and R³ are each H, and at least one of R⁴, R⁵ and R⁶ is H.

16. (currently amended) A The compound of Formula (10) of claim 1,
wherein the compound has a structure of Formula (10):



or a pharmaceutically acceptable salt form thereof selected from the group consisting of:

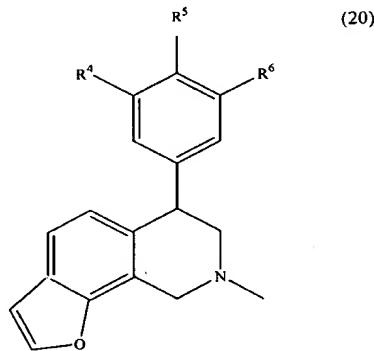
a compound of Formula (10) wherein R⁴ is H, R⁵ is H and R⁶ is H;

a compound of Formula (10) wherein R⁴ is H, R⁵ is Me and R⁶ is H;

a compound of Formula (10) wherein R⁴ is Cl, R⁵ is H and R⁶ is H; and

a compound of Formula (10) wherein R⁴ is H, R⁵ is F and R⁶ is H.

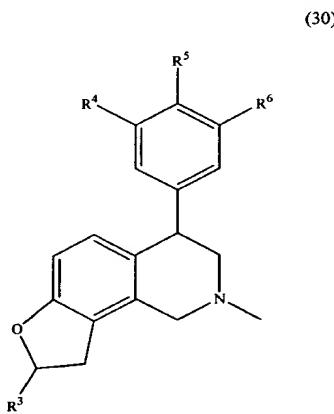
17. (currently amended) A The compound of Formula (20) of claim 1,
wherein the compound has a structure of Formula (20):



or a pharmaceutically acceptable salt form thereof selected from the group consisting of:

- a compound of Formula (20) wherein R⁴ is H, R⁵ is H and R⁶ is H;
- a compound of Formula (20) wherein R⁴ is H, R⁵ is Me and R⁶ is H;
- a compound of Formula (20) wherein R⁴ is H, R⁵ is Cl and R⁶ is H;
- a compound of Formula (20) wherein R⁴ is H, R⁵ is F and R⁶ is H; and
- a compound of Formula (20) wherein R⁴ is F, R⁵ is H and R⁶ is F.

18. (currently amended) A The compound of Formula (30) of claim 1,
wherein the compound has a structure of Formula (30):



or a pharmaceutically acceptable salt form thereof selected from the group consisting of:

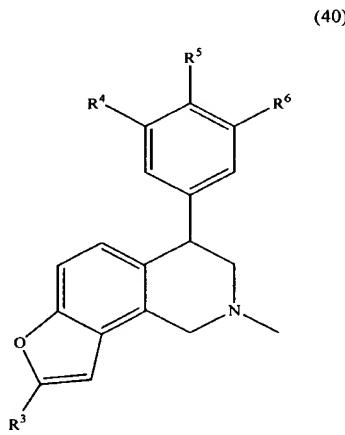
- a compound of Formula (30) wherein R³ is H, R⁴ is H, R⁵ is H and R⁶ is H;
- a compound of Formula (30) wherein R³ is H, R⁴ is F, R⁵ is F and R⁶ is H;
- a compound of Formula (30) wherein R³ is H, R⁴ is F, R⁵ is H and R⁶ is F;
- a compound of Formula (30) wherein R³ is H, R⁴ is H, R⁵ is F and R⁶ is H;
- a compound of Formula (30) wherein R³ is H, R⁴ is Cl, R⁵ is H and R⁶ is H;
- a compound of Formula (30) wherein R³ is H, R⁴ is H, R⁵ is Cl and R⁶ is H;

a compound of Formula (30) wherein R³ is H, R⁴ is H, R⁵ is Cl and R⁶ is F;
 a compound of Formula (30) wherein R³ is H, R⁴ is H, R⁵ is F and R⁶ is Cl;
 a compound of Formula (30) wherein R³ is H, R⁴ is F, R⁵ is H and R⁶ is Cl;
 a compound of Formula (30) wherein R³ is H, R⁴ is H, R⁵ is OMe and R⁶ is H;

and

a compound of Formula (30) wherein R³ is H, R⁴ is F, R⁵ is H and R⁶ is H.

19. (currently amended) ~~A~~ The compound of Formula (40) of claim 1,
wherein the compound has a structure of Formula (40):



or a pharmaceutically acceptable salt form thereof selected from the group consisting of:

a compound of Formula (40) wherein R³ is H, R⁴ is H, R⁵ is H and R⁶ is H;
 a compound of Formula (40) wherein R³ is H, R⁴ is F, R⁵ is F and R⁶ is H;
 a compound of Formula (40) wherein R³ is H, R⁴ is F, R⁵ is H and R⁶ is F;
 a compound of Formula (40) wherein R³ is H, R⁴ is F, R⁵ is H and R⁶ is H;
 a compound of Formula (40) wherein R³ is H, R⁴ is H, R⁵ is F and R⁶ is H;
 a compound of Formula (40) wherein R³ is H, R⁴ is Cl, R⁵ is H and R⁶ is H;
 a compound of Formula (40) wherein R³ is H, R⁴ is H, R⁵ is Cl and R⁶ is H;
 a compound of Formula (40) wherein R³ is H, R⁴ is H, R⁵ is Cl and R⁶ is F;
 a compound of Formula (40) wherein R³ is H, R⁴ is H, R⁵ is F and R⁶ is Cl;
 a compound of Formula (40) wherein R³ is H, R⁴ is F, R⁵ is H and R⁶ is Cl;
 a compound of Formula (40) wherein R³ is H, R⁴ is H, R⁵ is OMe and R⁶ is H;
 a compound of Formula (40) wherein R³ is Me, R⁴ is H, R⁵ is H and R⁶ is H;
 a compound of Formula (40) wherein R³ is Et, R⁴ is H, R⁵ is H and R⁶ is H;

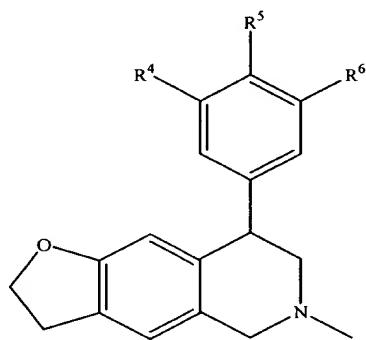
and

a compound of Formula (40) wherein R³ is CH₂OH, R⁴ is H, R⁵ is H and R⁶ is H.

Claims 20-22 (canceled)

23. (currently amended) A The compound of Formula (80) of claim 1,
wherein the compound has a structure of Formula (80):

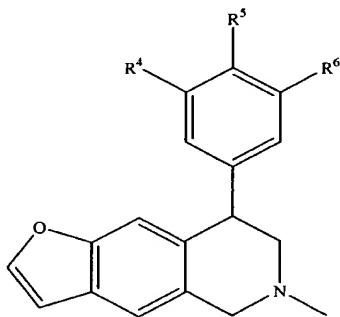
(80)



or a pharmaceutically acceptable salt form thereof selected from the group consisting of:
 a compound of Formula (80) wherein R⁴ is H, R⁵ is H and R⁶ is H;
 a compound of Formula (80) wherein R⁴ is H, R⁵ is F and R⁶ is H; and
 a compound of Formula (80) wherein R⁴ is H, R⁵ is F and R⁶ is F.

24. (currently amended) A The compound of Formula (90) of claim 1,
wherein the compound has a structure of Formula (90):

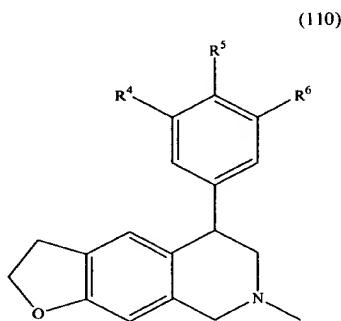
(90)



or a pharmaceutically acceptable salt form thereof selected from the group consisting of:
 a compound of Formula (90) wherein R⁴ is H, R⁵ is H and R⁶ is H.
 a compound of Formula (90) wherein R⁴ is H, R⁵ is F and R⁶ is F; and
 a compound of Formula (90) wherein R⁴ is H, R⁵ is F and R⁶ is H.

Claim 25 (canceled)

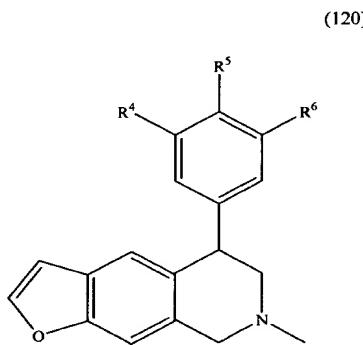
26. (currently amended) A The compound of Formula (110) of claim 1,
wherein the compound has a structure of Formula (110):



or a pharmaceutically acceptable salt form thereof selected from the group consisting of:

- a compound of Formula (110) wherein R⁴ is H, R⁵ is H and R⁶ is H;
a compound of Formula (110) wherein R⁴ is H, R⁵ is F and R⁶ is F;
a compound of Formula (110) wherein R⁴ is H, R⁵ is F and R⁶ is H;
a compound of Formula (110) wherein R⁴ is H, R⁵ is H and R⁶ is Cl;
a compound of Formula (110) wherein R⁴ is H, R⁵ is Cl and R⁶ is F;
a compound of Formula (110) wherein R⁴ is H, R⁵ is F and R⁶ is Cl; and
a compound of Formula (110) wherein R⁴ is H, R⁵ is OMe and R⁶ is H.

27. (currently amended) A The compound of Formula (120) of claim 1,
wherein the compound has a structure of Formula (120):



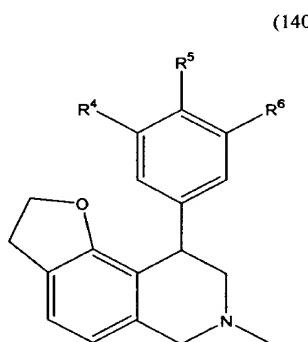
or a pharmaceutically acceptable salt form thereof selected from the group consisting of:

- a compound of Formula (120) wherein R⁴ is H, R⁵ is H and R⁶ is H;
a compound of Formula (120) wherein R⁴ is H, R⁵ is F and R⁶ is F;
a compound of Formula (120) wherein R⁴ is H, R⁵ is F and R⁶ is H;

a compound of Formula (120) wherein R⁴ is H, R⁵ is H and R⁶ is Cl;
 a compound of Formula (120) wherein R⁴ is H, R⁵ is Cl and R⁶ is F;
 a compound of Formula (120) wherein R⁴ is H, R⁵ is OMe and R⁶ is H; and
 a compound of Formula (120) wherein R⁴ is H, R⁵ is F and R⁶ is Cl.

Claim 28 (canceled)

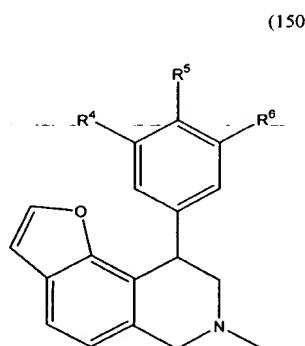
**29. (currently amended) A The compound of Formula (140) of claim 1,
wherein the compound has a structure of Formula (140):**



or a pharmaceutically acceptable salt form thereof selected from the group consisting of:

a compound of Formula (140) wherein R⁴ is H, R⁵ is H and R⁶ is H;
 a compound of Formula (140) wherein R⁴ is H, R⁵ is F and R⁶ is H;
 a compound of Formula (140) wherein R⁴ is H, R⁵ is F and R⁶ is Cl;
 a compound of Formula (140) wherein R⁴ is H, R⁵ is Cl and R⁶ is F;
 a compound of Formula (140) wherein R⁴ is H, R⁵ is H and R⁶ is Cl;
 a compound of Formula (140) wherein R⁴ is H, R⁵ is OMe and R⁶ is H; and
 a compound of Formula (140) wherein R⁴ is H, R⁵ is F and R⁶ is F.

**30. (currently amended) A The compound of Formula (150) of claim 1,
wherein the compound has a structure of Formula (150):**

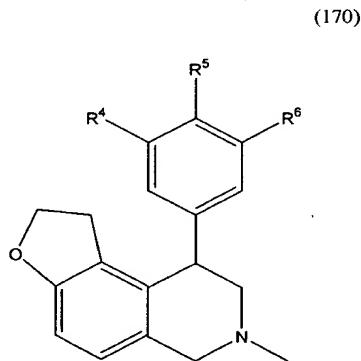


or a pharmaceutically acceptable salt form thereof selected from the group consisting of:

- a compound of Formula (150) wherein R⁴ is H, R⁵ is H and R⁶ is H;
- a compound of Formula (150) wherein R⁴ is H, R⁵ is F and R⁶ is H;
- a compound of Formula (150) wherein R⁴ is H, R⁵ is F and R⁶ is Cl;
- a compound of Formula (150) wherein R⁴ is H, R⁵ is Cl and R⁶ is F;
- a compound of Formula (150) wherein R⁴ is H, R⁵ is H and R⁶ is Cl;
- a compound of Formula (150) wherein R⁴ is H, R⁵ is OMe and R⁶ is H; and
- a compound of Formula (150) wherein R⁴ is H, R⁵ is F and R⁶ is F.

Claim 31 (canceled)

32. (currently amended) ~~A~~ The compound of Formula (170) of claim 1,
wherein the compound has a structure of Formula (170):

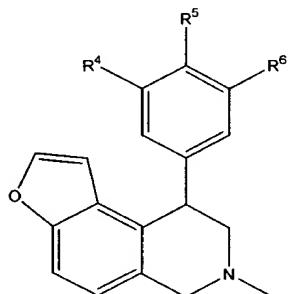


or a pharmaceutically acceptable salt form thereof selected from the group consisting of:

- a compound of Formula (170) wherein R⁴ is H, R⁵ is H and R⁶ is H;
- a compound of Formula (170) wherein R⁴ is H, R⁵ is F and R⁶ is H; and
- a compound of Formula (170) wherein R⁴ is H, R⁵ is F and R⁶ is F.

33. (currently amended) A The compound of Formula (180) of claim 1,
wherein the compound has a structure of Formula (180):

(180)



or a pharmaceutically acceptable salt form thereof selected from the group consisting of:

- a compound of Formula (180) wherein R⁴ is H, R⁵ is H and R⁶ is H;
- a compound of Formula (180) wherein R⁴ is H, R⁵ is F and R⁶ is H; and
- a compound of Formula (180) wherein R⁴ is H, R⁵ is F and R⁶ is F.

Claims 34-35 (canceled)

36. (original) A compound of claim 1 selected from the group consisting of:

- (R)-2-methyl-4-phenyl-1,2,3,4,8,9-hexahydro-furo[2,3-*h*]isoquinoline;
- (S)-2-methyl-4-phenyl-1,2,3,4,8,9-hexahydro-furo[2,3-*h*]isoquinoline;
- (R)-7-methyl-5-phenyl-5,6,7,8-tetrahydro-furo[3,2-*g*]isoquinoline;
- (S)-7-methyl-5-phenyl-5,6,7,8-tetrahydro-furo[3,2-*g*]isoquinoline;
- (R)-4-(4-fluoro-phenyl)-2-methyl-1,2,3,4-tetrahydro-furo[2,3-*h*]isoquinoline;
- (S)-4-(4-fluoro-phenyl)-2-methyl-1,2,3,4-tetrahydro-furo[2,3-*h*]isoquinoline;
- (R)-4-(3,4-difluoro-phenyl)-2-methyl-1,2,3,4-tetrahydro-furo[2,3-*h*]isoquinoline;
- (S)-4-(3,4-difluoro-phenyl)-2-methyl-1,2,3,4-tetrahydro-furo [2,3-*h*]isoquinoline;
- (R)-2-methyl-4-phenyl-1,2,3,4-tetrahydro-furo[2,3-*h*]isoquinoline;
- (S)-2-methyl-4-phenyl-1,2,3,4-tetrahydro-furo[2,3-*h*]isoquinoline;
- (R)-4-(4-chloro-phenyl)-2-methyl-1,2,3,4-tetrahydro-furo[2,3-*h*]isoquinoline;
- (S)-4-(4-chloro-phenyl)-2-methyl-1,2,3,4-tetrahydro-furo[2,3-*h*]isoquinoline;
- (R)-8-methyl-6-phenyl-2,3,6,7,8,9-hexahydro-furo[3,2-*h*]isoquinoline;

(S)-8-methyl-6-phenyl-2,3,6,7,8,9-hexahydro-furo[3,2-*h*]isoquinoline;
 (R)-4-(4-fluoro-phenyl)-2-methyl-1,2,3,4-tetrahydro-furo[2,3-*h*]isoquinoline;
 (S)-4-(4-fluoro-phenyl)-2-methyl-1,2,3,4-tetrahydro-furo[2,3-*h*]isoquinoline;
 (R)-4-(3,5-difluoro-phenyl)-2-methyl-1,2,3,4-tetrahydro-furo[2,3-*h*]isoquinoline;
 (S)-4-(3,5-difluoro-phenyl)-2-methyl-1,2,3,4-tetrahydro-furo[2,3-*h*]isoquinoline;
 (R)-2-methyl-4-phenyl-2,3,4,7-tetrahydro-1*H*-pyrrolo[2,3-*h*]isoquinoline; and
 (S)-2-methyl-4-phenyl-2,3,4,7-tetrahydro-1*H*-pyrrolo[2,3-*h*]isoquinoline.

37. (original) A compound of claim 1 selected from the group consisting of:

(+)-2-methyl-4-phenyl-1,2,3,4,8,9-hexahydro-furo[2,3-*h*]isoquinoline;
 (-)-2-methyl-4-phenyl-1,2,3,4,8,9-hexahydro-furo[2,3-*h*]isoquinoline;
 (+)-7-methyl-5-phenyl-5,6,7,8-tetrahydro-furo[3,2-*g*]isoquinoline;
 (-)-7-methyl-5-phenyl-5,6,7,8-tetrahydro-furo[3,2-*g*]isoquinoline;
 (+)-4-(4-fluoro-phenyl)-2-methyl-1,2,3,4-tetrahydro-furo[2,3-*h*]isoquinoline;
 (-)-4-(4-fluoro-phenyl)-2-methyl-1,2,3,4-tetrahydro-furo[2,3-*h*]isoquinoline;
 (+)-4-(3,4-difluoro-phenyl)-2-methyl-1,2,3,4-tetrahydro-furo[2,3-*h*]isoquinoline;
 (-)-4-(3,4-difluoro-phenyl)-2-methyl-1,2,3,4-tetrahydro-furo[2,3-*h*]isoquinoline;
 (+)-2-methyl-4-phenyl-1,2,3,4-tetrahydro-furo[2,3-*h*]isoquinoline;
 (-)-2-methyl-4-phenyl-1,2,3,4-tetrahydro-furo[2,3-*h*]isoquinoline;
 (+)-4-(4-chloro-phenyl)-2-methyl-1,2,3,4-tetrahydro-furo[2,3-*h*]isoquinoline;
 (-)-4-(4-chloro-phenyl)-2-methyl-1,2,3,4-tetrahydro-furo[2,3-*h*]isoquinoline;
 (+)-8-methyl-6-phenyl-2,3,6,7,8,9-hexahydro-furo[3,2-*h*]isoquinoline;
 (-)-8-methyl-6-phenyl-2,3,6,7,8,9-hexahydro-furo[3,2-*h*]isoquinoline;
 (+)-4-(4-fluoro-phenyl)-2-methyl-1,2,3,4-tetrahydro-furo[2,3-*h*]isoquinoline;
 (-)-4-(4-fluoro-phenyl)-2-methyl-1,2,3,4-tetrahydro-furo[2,3-*h*]isoquinoline;
 (+)-4-(3,5-difluoro-phenyl)-2-methyl-1,2,3,4-tetrahydro-furo[2,3-*h*]isoquinoline;
 (-)-4-(3,5-difluoro-phenyl)-2-methyl-1,2,3,4-tetrahydro-furo[2,3-*h*]isoquinoline;
 (+)-2-methyl-4-phenyl-2,3,4,7-tetrahydro-1*H*-pyrrolo[2,3-*h*]isoquinoline; and

(-)-2-methyl-4-phenyl-2,3,4,7-tetrahydro-1*H*-pyrrolo[2,3-*h*]isoquinoline.

38. (original) A pharmaceutical composition comprising a pharmaceutically acceptable carrier and a therapeutically effective amount of a compound of claim 1.

39. (original) A method of treating an animal afflicted with a neurological or psychological disorder selected from the group consisting of attention deficit-hyperactivity disorder, anxiety, depression, post-traumatic stress disorder, supranuclear palsy, feeding disorders, obsessive compulsive disorder, analgesia, smoking cessation, panic attacks, Parkinson's and phobia, said method comprising administering to the animal the pharmaceutical composition of claim 38.

40. (original) The method of claim 39 for treating attention deficit-hyperactivity disorder.